Ham-Space Digest   Thu, 11 Aug 94   Volume 94 : Issue 222

Today's Topics:
                          orbs$217.2l

Date: Sat, 6 Aug 1994 10:25:17 -0600
From: lll-winken.llnl.gov!sol.ctr.columbia.edu!s-cwis.unomaha.edu!usenet@ames.arpa
Subject: orbs$217.2l
To: ham-space@ucsd.edu

SB KEPS @ AMSAT $ORBS-217.N
2Line Orbital Elements 217.AMSAT

HR AMSAT ORBITAL ELEMENTS FOR AMATEUR SATELLITES IN NASA FORMAT
FROM WA5QGD FORT WORTH,TX August 5, 1994
BID: $ORBS-217.N

DECODE 2-LINE ELSETS WITH THE FOLLOWING KEY:
1 AAAAAU 00 0 0 BBBBB.BBBBBBBB .CCCCCCCC 00000-0 00000-0 0 DDDZ
2 AAAAA EEE.EEEE FFF.FFFF GGGGGGG HHH.HHHH III.IIII JJ.JJJJJJJJKKKKKKZ
KEY: A-CATALOGNUM B-EPOCHTIME C-DECAY D-ELSETNUM E-INCLINATION F-RAAN
G-ECCENTRICITY H-ARGPERIGEE I-MNANOM J-MNMOTION K-ORBITNUM Z-CHECKSUM

TO ALL RADIO AMATEURS BT

For the past several weeks the keps for KO25 have not been producing
accurate AOS, TCA, and LOS times. It is my belief that a more

accurate set of keps for KO25 is the object NASA lists as Catalog
Number 22828. W5IU, K5EKH, KG5OA, and myself have confirmed this by
monitoring numerous Cat No. 22828 passes. Below is the current keps
for the object with Cat. # 22828. Try these out in your tracking
program and see if they do a better job for KO25. Please leave a
message on KO23 or KO25 to let me know how this set works.
73 Ray, WA5QGD

AO-10
1 14129U 83058B   94215.22805310 -.00000302 00000-0 10000-3 0 2952
2 14129 27.0009 314.8290 6026240 199.5326 120.6764 2.05881876 83753
UO-11
1 14781U 84021B   94213.04189469 .00000067 00000-0 19144-4 0 7136
2 14781 97.7856 225.6656 0012585 122.2499 237.9928 14.69233978556892
RS-10/11
1 18129U 87054A   94213.27359705 .00000018 00000-0 35526-5 0 9324
2 18129 82.9271 295.5187 0010141 260.6002 99.4006 13.72339573356096
AO-13
1 19216U 88051B   94215.93255462 .00000363 00000-0 10000-4 0 9412
2 19216 57.7516 238.4314 7222331 347.2702   1.5691 2.09718789 47017
FO-20
1 20480U 90013C   94213.43350131 -.00000018 00000-0 39122-4 0 7108
2 20480 99.0410 356.7174 0539898 236.9611 117.8521 12.83226876209935
AO-21
1 21087U 91006A   94216.14915277 .00000093 00000-0 82657-4 0 4968
2 21087 82.9459 107.2296 0034831 313.1016 46.7226 13.74542801176172
RS-12/13
1 21089U 91007A   94213.38545202 .00000023 00000-0 87829-5 0 7133
2 21089 82.9223 337.9238 0029475 346.0088 14.0245 13.74044083174854
ARSENE
1 22654U 93031B   94205.08601395 -.00000142 00000-0 00000 0 0 2672
2 22654   1.9520 97.7392 2917162 186.8922 167.2050 1.42201946 1729
UO-14
1 20437U 90005B   94213.78039282 .00000010 00000-0 20896-4 0   157
2 20437 98.5893 297.9372 0011963 58.8472 301.3881 14.29850974236108
AO-16
1 20439U 90005D   94213.27445779 .00000003 00000-0 18064-4 0 8137
2 20439 98.5979 298.7190 0012267 60.0425 300.1970 14.29904960236047
DO-17
1 20440U 90005E   94213.78413741 .00000007 00000-0 19603-4 0 8144
2 20440 98.5988 299.5608 0012401 58.0788 302.1597 14.30044782236137
WO-18
1 20441U 90005F   94213.27050758 .00000001 00000-0 17366-4 0 8164
2 20441 98.5965 299.0502 0012910 60.7618 299.4853 14.30018823236060
LO-19
1 20442U 90005G   94213.73539692 .00000021 00000-0 25060-4 0 8123
2 20442 98.5995 299.7793 0013267 58.3596 301.8868 14.30115609236140
UO-22

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1 21575U 91050B   94213.74571854  .00000013  00000-0  18775-4 0  5177
2 21575  98.4322 287.3167 0007877 147.7411 212.4257 14.36925651159626
KO-23
1 22077U 92052B   94213.41306658 -.00000037  00000-0  10000-3 0  4123
2 22077  66.0808 185.2892 0015350 275.1393  84.7872 12.86286851 92607
AO-27
1 22825U 93061C   94213.65198693  .00000007  00000-0  20768-4 0  3105
2 22825  98.6511 288.9979 0009583  74.8438 285.3810 14.27630722 44179
IO-26
1 22826U 93061D   94214.19032026 -.00000009  00000-0  14086-4 0  3102
2 22826  98.6515 289.5766 0010151  76.1180 284.1130 14.27735137 44254
KO-25
1 22830U 93061H   94213.62991027 -.00000035  00000-0  33681-5 0  3156
2 22830  98.5517 285.7863 0012449  45.9554 314.2653 14.28060707 44189
OBJ 22828
1 22828U 93061F   94213.76963000 -.00000006  00000-0  15345-4 0  2881
2 22828  98.6480 289.1772 0011104  62.6119 297.6185 14.28061411 12286
NOAA-9
1 15427U 84123A   94215.73515055  .00000117  00000-0  86262-4 0  9019
2 15427  99.0450 266.7740 0015871  84.8632 275.4348 14.13633304496979
NOAA-10
1 16969U 86073A   94215.76693453  .00000036  00000-0  33488-4 0  7974
2 16969  98.5081 223.3165 0012845 186.3620 173.7398 14.24900734409276
MET-2/17
1 18820U 88005A   94215.49523818  .00000028  00000-0  11549-4 0  3562
2 18820  82.5407 230.9503 0018360  50.0231 310.2527 13.84719219328905
MET-3/2
1 19336U 88064A   94213.59427610  .00000051  00000-0  10000-3 0  3096
2 19336  82.5400 291.5503 0017190 144.8154 215.4104 13.16968250289235
NOAA-11
1 19531U 88089A   94215.72629249  .00000075  00000-0  65427-4 0  7194
2 19531  99.1755 205.8097 0012225   4.3041 355.8230 14.13007420301857
MET-2/18
1 19851U 89018A   94213.75597542  .00000078  00000-0  56483-4 0  3105
2 19851  82.5213 107.5997 0015552  95.1060 265.1868 13.84370156273998
MET-3/3
1 20305U 89086A   94216.17052536  .00000044  00000-0  10000-3 0  1064
2 20305  82.5405 236.7979 0005331 169.6805 190.4389 13.04422901229155
MET-2/19
1 20670U 90057A   94213.41003535 -.00000029  00000-0 -39076-4 0  8133
2 20670  82.5455 172.5483 0017266  24.6776 335.5206 13.84189091206871
FY-1/2
1 20788U 90081A   94215.88224815 -.00000199  00000-0 -10331-3 0   311
2 20788  98.8366 234.5011 0014887 239.5385 120.4308 14.01350503200389
MET-2/20
1 20826U 90086A   94213.65208044  .00000094  00000-0  71501-4 0  8214
2 20826  82.5269 109.8175 0012367 286.6921  73.2884 13.83587320194046
MET-3/4
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1 21232U 91030A   94213.31479971  .00000051  00000-0  10000-3 0  7205
2 21232  82.5437 137.6981 0014536  72.5269 287.7438 13.16463399157294
NOAA-12
1 21263U 91032A   94215.74541817  .00000114  00000-0  70397-4 0  1232
2 21263  98.6148 242.4707 0013903  97.3891 262.8867 14.22434851167266
MET-3/5
1 21655U 91056A   94216.15247496  .00000051  00000-0  10000-3 0  7291
2 21655  82.5535  82.8772 0014667  73.7291 286.5437 13.16832975142777
MET-2/21
1 22782U 93055A   94213.36733443  .00000042  00000-0  24627-4 0  3226
2 22782  82.5485 170.6331 0023958  97.1572 263.2315 13.83011259 46335
POSAT
1 22829U 93061G   94213.63587076  .00000017  00000-0  24413-4 0  3038
2 22829  98.6464 289.0556 0011121  64.8056 295.4279 14.28035335 44181
MIR
1 16609U 86017A   94215.25868965  .00003454  00000-0  54150-4 0  6952
2 16609  51.6479 310.9106 0001314 199.0571 161.0371 15.56735880483357
HUBBLE
1 20580U 90037B   94215.55612231  .00000376  00000-0  22280-4 0  5147
2 20580  28.4707 291.6986 0005951 222.2340 137.7788 14.90649965 36464
GRO
1 21225U 91027B   94213.54285849  .00001811  00000-0  36407-4 0  1228
2 21225  28.4628 277.2327 0003053   8.0790 351.9857 15.41105823 63949
UARS
1 21701U 91063B   94213.60346557  .00002536  00000-0  24185-3 0  5620
2 21701  56.9863 337.0641 0005480 110.3085 249.8537 14.96580625157736
/EX

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End of Ham-Space Digest V94 #222
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